

IX.3.3C-SYSTEM-MOD138 COMMON BLOCK MOD138

Purpose

Common block MOD138 contains baseflow recession coefficient values obtained from the BFRCHNG MOD [[Hyperlink](#)] to change recession coefficient time series values in Operation BASEFLOW [[Hyperlink](#)].

The values are in chronological order. Only values that fall within or at the end of hydrologic days that are in the current run period are stored. If run starts at the beginning of a hydrologic day the value for that hour is not stored. Only one value per hydrologic day is stored and the last in is kept.

This common block is filled only for BASEFLOW Operations that use a variable baseflow recession.

BASEFLOW Operations with a single recession coefficient are changed using the BFRCHNG MOD [[Hyperlink](#)] by permanently changing the appropriate value in the PO array.

Listing

COMMON /MOD138/ NDT38, IDT38(5), VAL38(5)

Description of Variables

<u>Variable</u>	<u>Type</u>	<u>Dimension</u>	<u>Word Position</u>	<u>Description</u>
NDT38	I*4	1	1	Number of dates and recession coefficients entered through the BFRCHNG MOD for the current BASEFLOW Operation
IDT38	I*4	5	2	Julian hours (internal time) in chronological order for the recession coefficients in array VAL38
VAL38	R*4	5	7	Recession coefficients to be applied at the dates in array IDT38; must be greater than or equal to 0.5 and less than 1.0